

PROJECT INFORMATION

SEND COMPLETED APPLICATIONS TO:

**Game Branch
AZ Game and Fish Dept.
5000 W. Carefree Highway
Phoenix, AZ 85086**

WAS PROJECT PRESENTED TO THE LOCAL HPC? YES _____ NO X

The Fredonia HPC did not meet in 2009. However, this project is a part of the statewide Water Implementation Schedule, as well as the local regional water prioritization, and those processes have been presented to the HPC in the past. In addition the Arizona Deer Association has been consulted with on this project, and is aware of its importance.

HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?

This project has not been submitted in previous years.

NEED STATEMENT/PROBLEM ANALYSIS:

Mt Dellenbaugh Wildlife Catchment is a BLM owned wildlife facility, originally constructed to meet objectives for mule deer and mule deer habitats on the Arizona Strip District. It is located within the Grand Canyon Parashant National Monument in the vicinity of Mt Dellenbaugh.

The existing catchment has become dilapidated. The wooden framed metal apron has become loose and rotted and ineffective in capturing rainfall. In addition, the metal storage tank, lined with a rubber butyl liner, does not hold adequate amounts of water for any extended periods of time. The fence surrounding the catchment is very loose, and in some places has begun to fall over. It is ineffective at preventing livestock from entering the catchment enclosure. The current functional state of this catchment severely limits its usefulness to wildlife.

The habitat in the area is considered crucial summer range for mule deer and turkey, and improving water availability in the area is very important to maintain the benefit of this habitat to wildlife.

The Mt Dellenbaugh wildlife catchment is included in the Statewide Water Development Implementation Schedule, as well as the regional priority ranking. In addition, redevelopment of this catchment will help ensure that progress is being made to meet current management objectives included in BLM Resource Management Plans (RMP). These include spacing of wildlife waters to no more than 3 miles apart, and maintenance of existing wildlife catchments.

Water availability and spacing is a concern in the Mt. Dellenbaugh area. 2 wildlife catchments exist in the immediate vicinity (2.4 and 4 miles respectively), as well as Kelly Dam, a wildlife impoundment that is generally reliable, but does not always hold water. The only other water sources in the area are unreliable cattle ponds.

Redeveloping the Mt Dellenbaugh catchment will improve spacing, as well as the number of reliable water sources in the area. There will be increased cumulative positive impacts to mule deer and mule deer habitat by having 3 water sources, dedicated to wildlife, within a 3 mile radius.

***The current road into this catchment is reclaiming and not well defined. AZGFD has requested permission from the BLM to use this road and to implement restoration after use. The BLM has granted permission with several stipulations included limited trips and rehab/obscurement of road.**



PROJECT OBJECTIVES:

1. Improve water availability and distribution for wildlife, in particular mule deer and wild turkey.
2. Improve habitat use and distribution wildlife species by providing an additional reliable water source in the area.
3. Decrease maintenance needs by increasing capacity, and removing mechanical components from system.
4. Continue the task through the Statewide Water Development Implementation schedule, and the regional wildlife water priority of redeveloping wildlife water catchments in 13B that have failed or are in disrepair because of their age.
5. Make progress in meeting the following BLM Desired Future Condition objectives for mule deer habitat as outlined in the recently signed BLM RMP documents:

MA-WF-09 Existing water developments will be modified to ensure wildlife have safe access to water. Existing water developments will be maintained to ensure reliability of the water. Maintenance of existing waters will generally take priority over new construction. Development of cooperative waters for livestock and wildlife will be encouraged where doing so will benefit wildlife, will be consistent with achieving DFCs, and will be economically efficient.

DFC-WF-18 Water sources within mule deer habitat will be safely accessible to deer and other wildlife.

DFC-WF-19 On BLM-administered lands, water sources within mule deer habitat will be spaced no more than 3 miles apart.

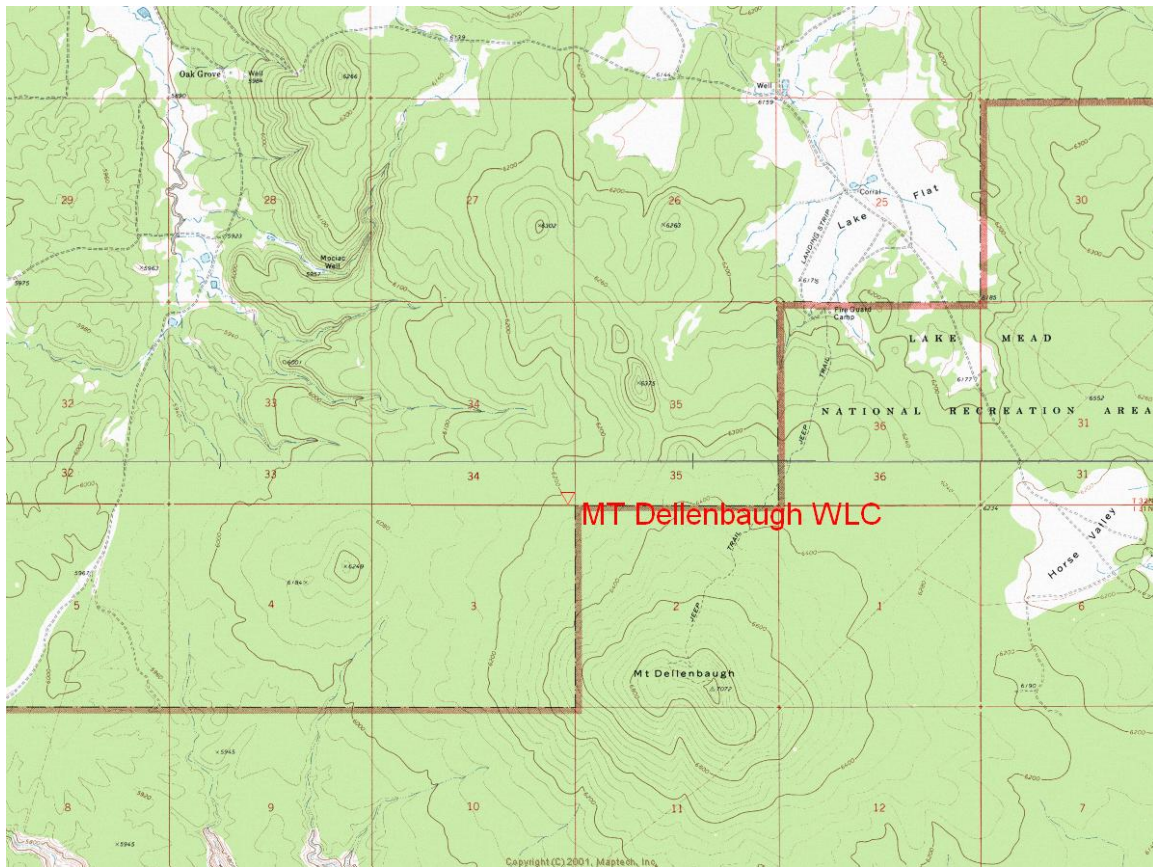
PROJECT STRATEGIES:

1. Install 3'x18' fiberglass tank with capacity of approximately 7000 gallons.
2. Construct a 24' x 72' r-panel metal apron over tank, attached to metal framework.
3. Install a 3' walk in trough to replace the existing ground level drinker.
4. Replace existing plumbing components.

PROJECT LOCATION:

T32N R12W sec 34

GPS 36° 7.3429' N 113° 33.1570' W



LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name):

Land ownership at the site is 100% federal managed by the Arizona Strip District Office of the Bureau of Land Management.

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

N/A

HABITAT DESCRIPTION:

The Mt. Dellenbaugh area is best described as a ponderosa pine forest, with pinyon juniper woodland interfaces. Ponderosa Pine stringer habitats extend into portions of Kelly Point and Twin Points. Habitat at the catchment site is a pinyon juniper woodland, dominated by Utah juniper and associated species.

There are several habitat treatments in the area, including the Mt. Dellenbaugh chaining, that provide cliffrose, oak, serviceberry, other browse species beneficial to mule deer, and various grass species such as wheatgrass and grama grasses. These treatments as well as the forest in the area also provide Merriam's Turkey habitat as well as habitat for various raptor species such as goshawks.

ITEMIZED USE OF FUNDS:

Costs Category- Equipment, Labor, Administrative, Material	Bureau of Land Management Cost Share	Grant Dollars Requested – Special Tag
24x72 r-panel apron package – Includes r-panel roofing, metal studs, gutter and associated hardware		\$5500.00
3’x18’fiberglass ring tank		\$9922.00
Plumbing Materials		\$500.00
3’ Walk in Fiberglass trough		\$3270.00
Associated concrete and miscellaneous hardware		\$458.00
200’ x 200’ Pipe rail Fence		\$3850.00
Totals	\$10,000.00 *Distributed to overall material costs.	\$13,500.00

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Arizona Deer Association: Provide project funding as well as on the ground help during redevelopment activities.

Arizona Strip BLM: Provide cost share funding as available in the amount of \$10,000.00 NEPA compliance has been completed through the BLM document: **DNA – AZ – 130 – 2005 – 0033.**

PROJECT MONITORING PLAN:

After completion of this project, this wildlife catchment will continue to be monitored as part of the Region II/GMU 13B water development protocol. This protocol outlines facility inspection schedules, as well as maintenance schedules if needed. It is anticipated that this wildlife catchment will be inspected at least twice between April and October each year.

PROJECT MAINTENANCE:

This project will be maintained by the Arizona Game and Fish Department's development crew. As outlined in the project narrative, long term maintenance needs are expected to be minimal. All maintenance and access needs will be closely coordinated with the Arizona Strip BLM office.

PROJECT COMPLETION REPORT TO BE FILED BY:

Luke Thompson: Wildlife Manager of Unit 13B

WATER DEVELOPMENT PROJECTS (see attached worksheet):

See below

ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

PROJECT NAME: Mt Dellenbaugh Wildlife Catchment Redevelopment - 2010

1) Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Implementation Schedule?"

Yes. In addition this water catchment is included on the regional prioritization list for wildlife catchments.

2) Please list the Development Branch personnel and date coordinated with for this project.

Joseph Currie – Ongoing 2008-2009

3) What are the estimated annual inches of precipitation for the area? (mark one)

☐ 2-4 ☐ 4-6 ☐ 6-8 ☐ 8-10 ☐ 10-12 ☒ 12-14 ☐ 14-16 ☐ >16

4) Is there a perennial water source available to big game within four miles of this project?

☒ YES (please complete #5 below) ☐ NO (skip #5 below)

5) For the accessible, perennial water source nearest this project:

Name of water source: 886 Moki WLC

Type of water source (catchment, spring, dirt tank, etc.): Catchment

Ownership of water source: AZGFD

Distance in miles from project: 2.4

Name of water source: Kelly Dam

Type of water source (catchment, spring, dirt tank, etc.): Wildlife impoundment

Ownership of water source: BLM

Distance in miles from project: 2.9

6) Is the target wildlife species a result of transplant efforts? ☐ YES ☒ NO

7) Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner.

This project is located within the Grand Canyon Parashant National Monument.

8) Please provide the following information about access to the proposed site:

Type of access (mark one): ☐ 2x4 vehicles ☒ 4x4 only ☐ foot only**

**If foot access only: Distance in miles: Approx. hiking time:

-- Does access to this site require crossing private or tribal lands? ☐ YES ☒ NO

-- Please describe any restrictions to public access: The current road into the catchment is overgrown, and reclaiming. Permission from the BLM to use this road was granted with several stipulations to limit impacts.

9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.

24' x 72' r-panel apron package and steel frame
3' x 18' fiberglass storage tank
3' walk in style Fiberglass trough
200' x 200' Pipe rail Fence

10) Was a site visit completed? X Yes ___ No

If yes, please list personnel that attended and date.

Development branch personnel completed a site visit in June 2009. Materials list as well as site suitability was developed at that time.

The Arizona Deer Association has been consulted with on this project. While some members and associates have visited the site, a formal site visit with the local wildlife manager is pending.